

CLAIMS

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1. A computer software system comprising:
a view sub-system including presentation objects which provide a user
interface;
10 a business logic sub-system including business object implementation objects
which hold business data objects and implement business functions;
a handler sub-system including controller objects which control a sequence of
actions in a use case; and
a view context sub-system including at least one context object which is
15 arranged to capture input and output data.

2. The computer software system of claim 1 wherein:
the view context sub-system is arranged to capture the input and output data
20 which populates the presentation objects of the view sub-system.

3. The computer software system of claim 1, wherein:
the view context sub-system also comprises data interfaces for the business
25 logic sub-system.

4. The computer software system of claim 1, wherein:
the context objects included in the view context sub-system are updated when
30 input is entered into the view sub-system by a user; and

the context data objects are updated by the handler sub-system whenever business logic is executed on any of the context objects.

5 5. The computer software system of claim 1 wherein:
the view sub-system refreshes the presentation objects with the input and output data
from the view context sub-system.

10 6. The computer software system of claim 1, wherein:
the view context sub-system is represented in a platform-independent format.

15 7. The computer program comprising:
at least one view object comprising presentation objects which provide a user
interface;
at least one business logic object comprising business data objects and
arranged to implement business functions;
at least one handler object which controls actions of at least one of the view
20 objects and actions of at least one of the business objects; and
at least one view context object comprising data objects which capture a state
of at least one of the view objects.

25 8. The computer program according to claim 7, wherein:
each view context object is associated with a single view object; and
the view context object is arranged to capture all data objects needed to
populate the presentation objects of the associated view object at any one time.

30 9. The computer program according to claim 8, wherein:

each view context object also comprises data interfaces for the business logic objects accessed in a use case in which the associated view participates.

- 5 10. The computer program according to claim 8, wherein:
 the data objects associated with a view context object are updated when input
 is entered into the associated view object by a user; and
 data elements are updated by a handler object whenever business logic is
 executed on the data elements.

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11. The computer program according to claim 8 wherein:
 the view object associated with a view context object is refreshed with the
 data objects associated with a view context object.

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12. The computer program according to claim 7, wherein:
 the at least one view context object is represented in a separate platform-
 independent format.

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13. A method of passing data in an object oriented application having at least
 one handler object, the method comprising the steps of:
 creating a view object with the handler object;
 creating a view context object with the view object;
 passing the view context object to the handler object;
 Updating the view context object with the handler object; and
 refreshing the view object from the view context object.

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